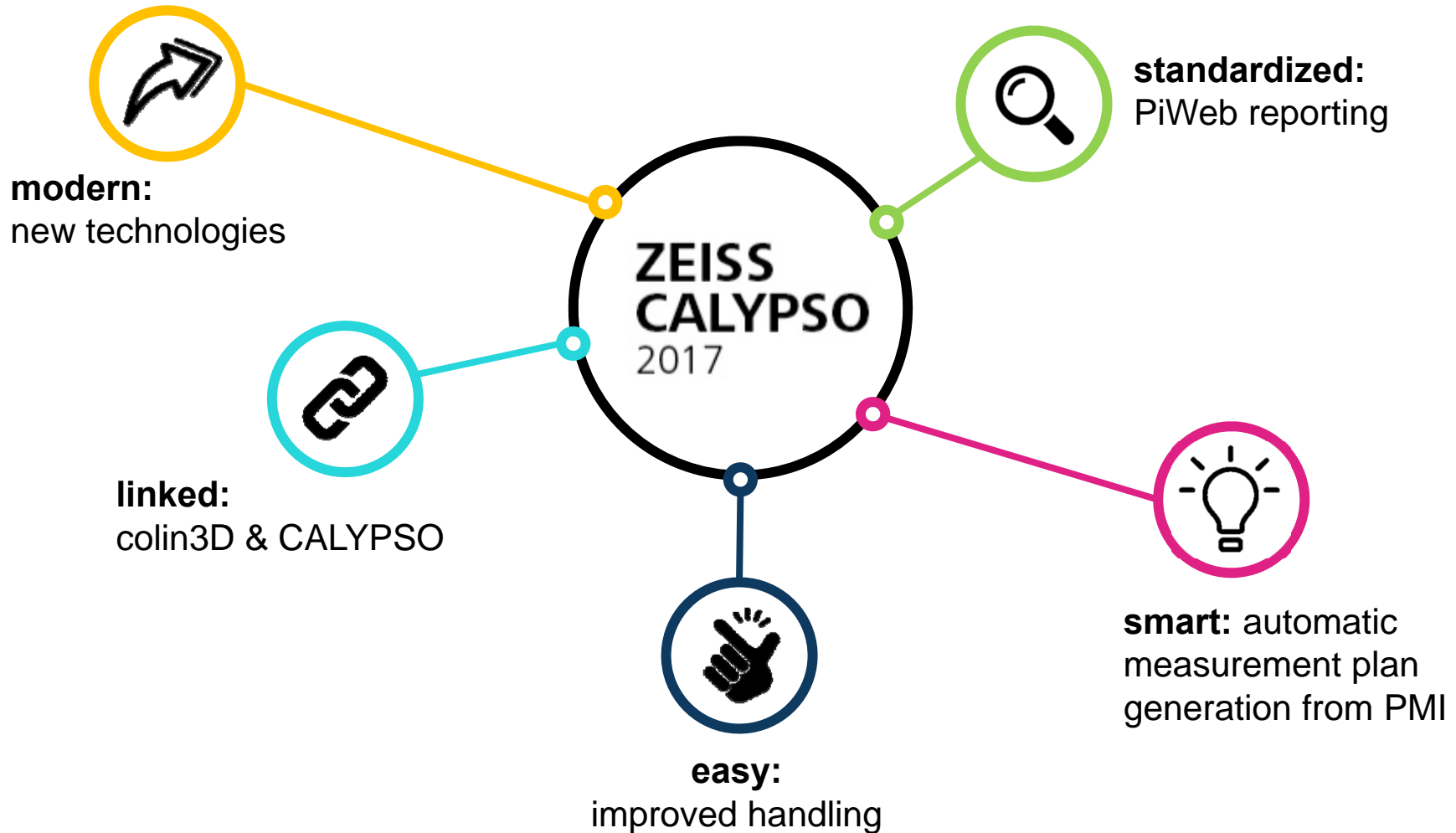
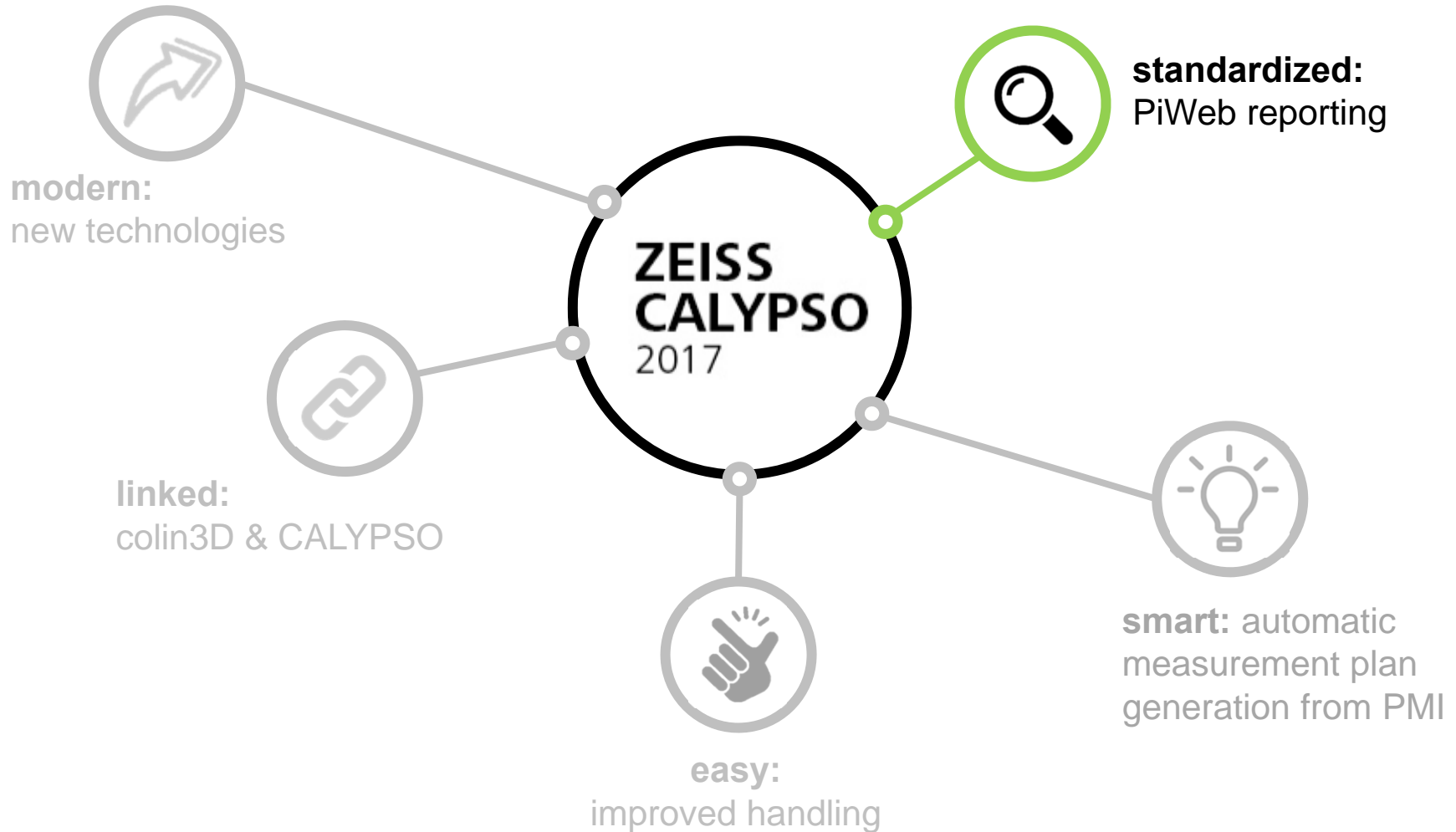


CALYPSO 2017 - Highlights



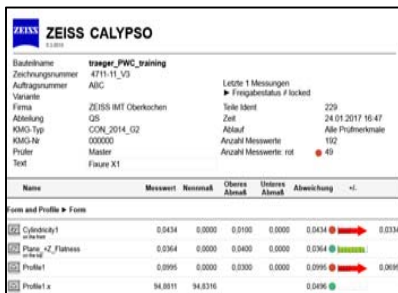
CALYPSO 2017 - Highlights





CALYPSO 2017 - PiWeb reporting

Printout templates



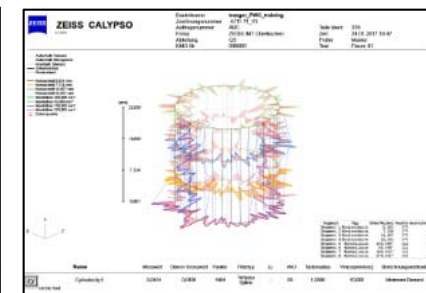
Standard Protocol



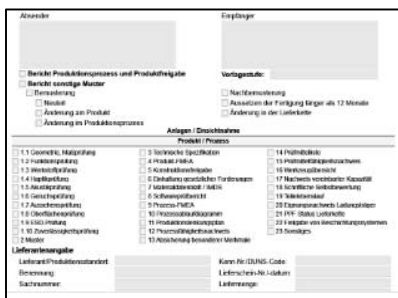
Accept Protocol



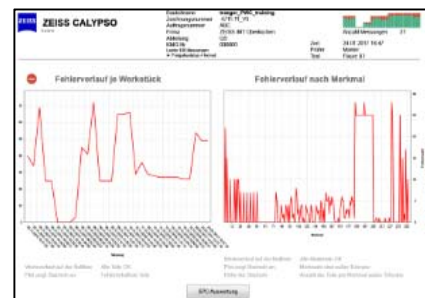
Table Protocol



Plot Protocol



VDA test report



Process Protocol



Interactive Protocol




Dashboard



CALYPSO 2017 – PiWeb reporting

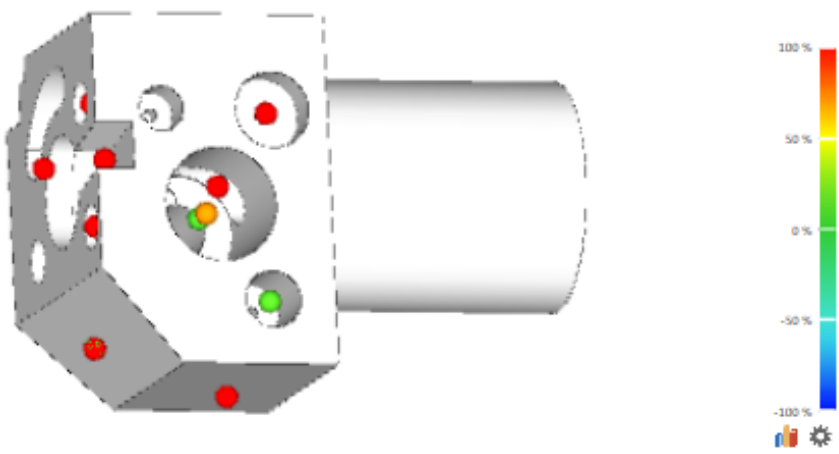
Interactive CAD Protocol





ZEISS CALYPSO
6.3.0025

Part name: Standardprüfplan_Seda
 Part ident: 24
 Operator: Master
 Time/Date: 4/25/2017 8:08 AM



Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-
Diameter						
Diameter_Circle_D20	20.0718	20.0000	0.0500	-0.0500	0.0718	0.0218
Diameter_Circle_D12	12.0711	12.0000	0.0500	-0.0500	0.0711	0.0211
Diameter_Circle_top_D12	12.0711	12.0000	0.0500	-0.0500	0.0711	0.0211
Diameter_Circle1	42.0000	42.0000	0.1500	-0.1500	0.0000	
Straightness_front	4.8434	0.0000	0.5000	0.0000	4.8434	4.3434

✓ Easier locate characteristic on Model



CALYPSO 2017 – PiWeb reporting

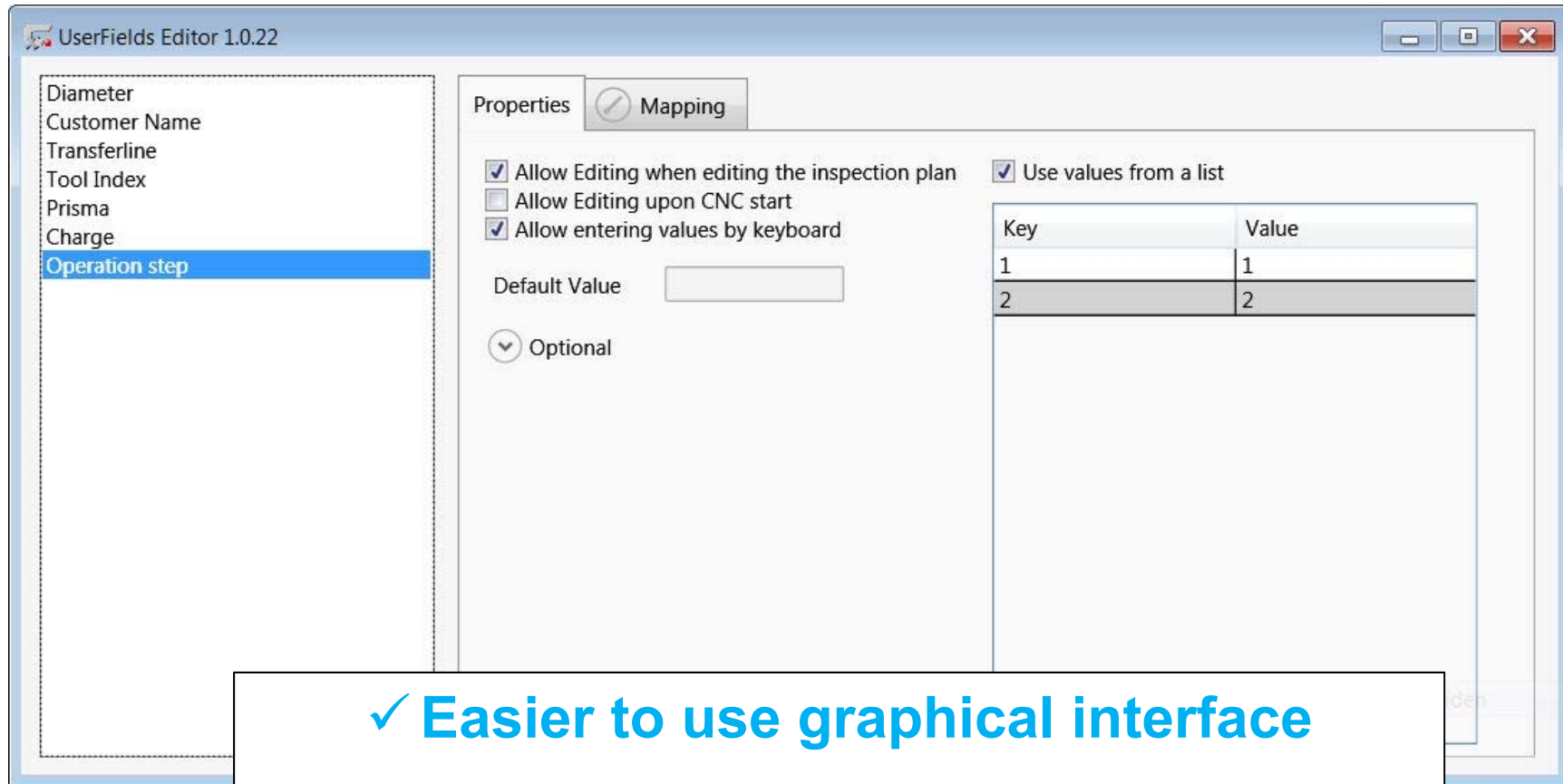
Dashboard: **overview of all measurements**





CALYPSO 2017 - PiWeb reporting

Report Header Parameter editor:

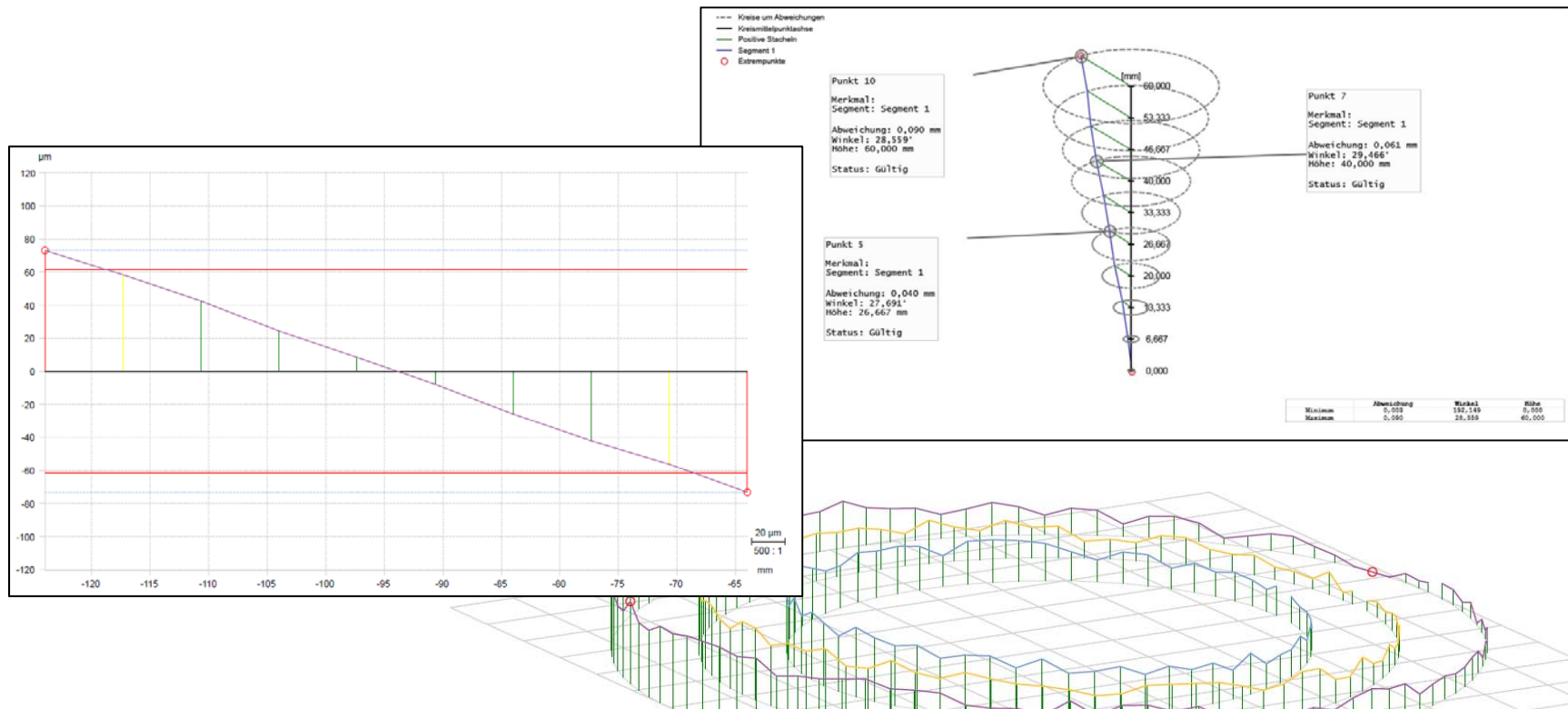


- ✓ Easier to use graphical interface
- ✓ Supports PiWeb Data filtering & sorting



CALYPSO 2017 - PiWeb reporting

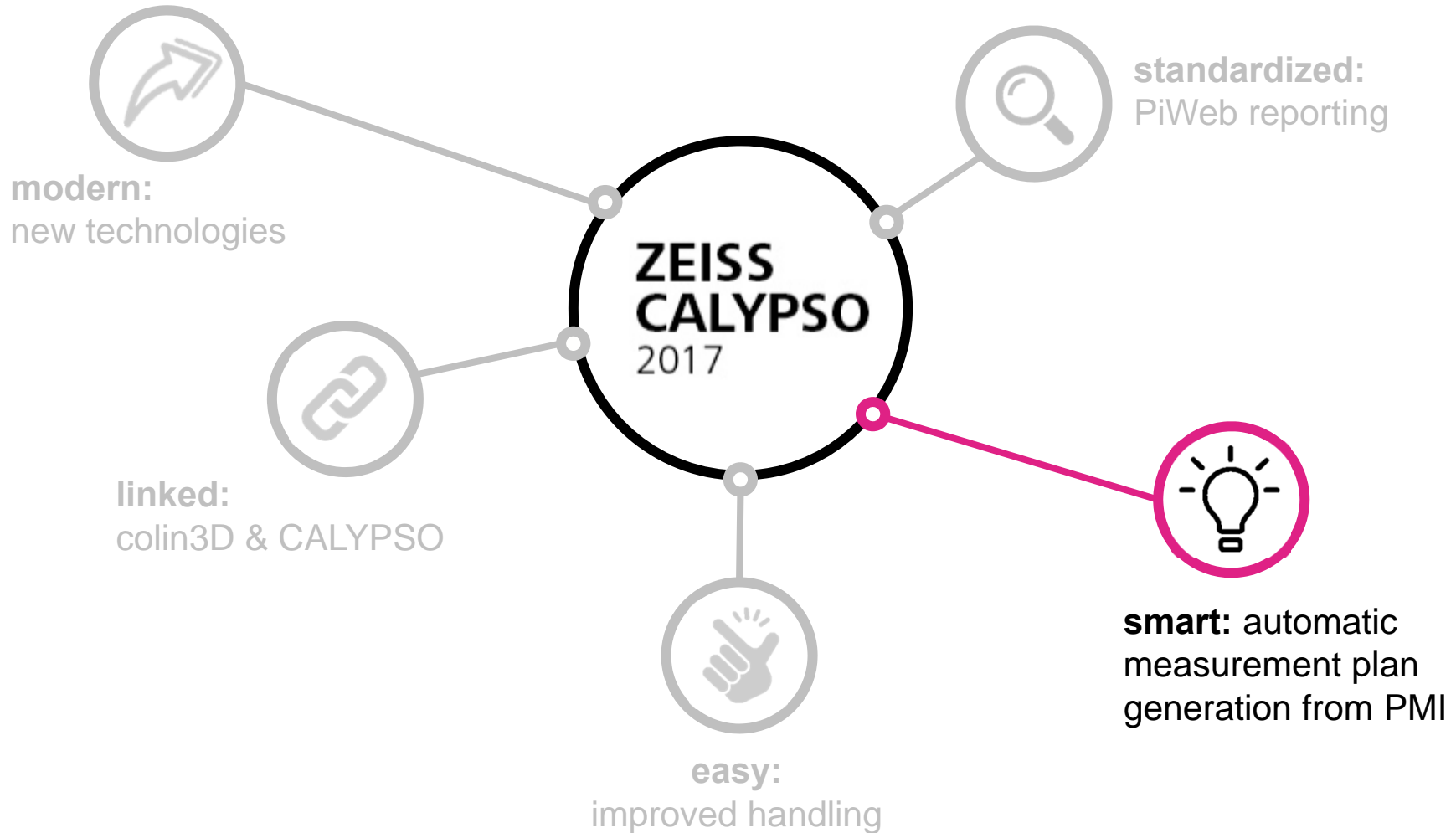
Further Form and Location plots



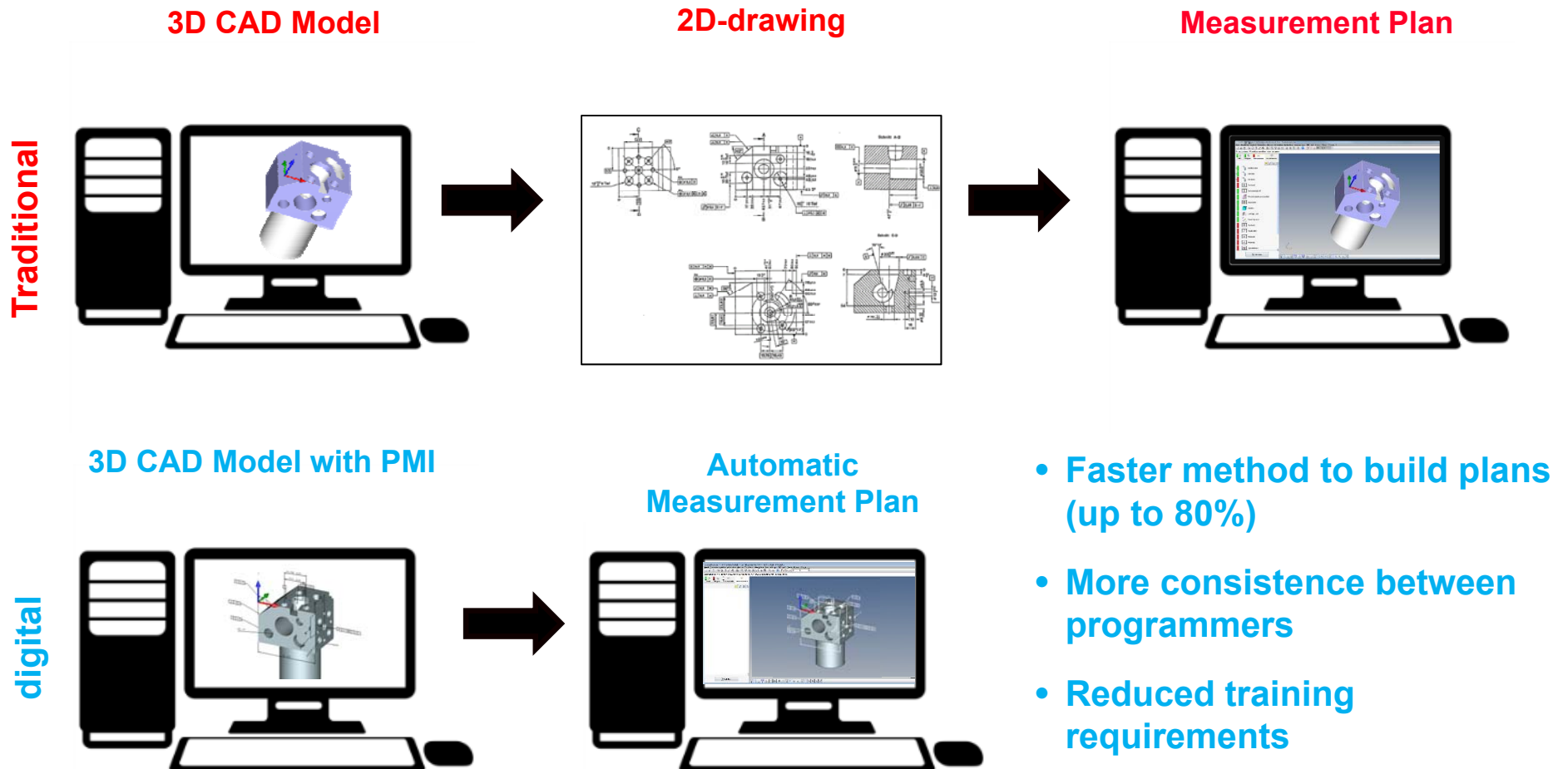
✓ Support full replacement of old CALYPSO protocols

✓ CALYPSO 2018 will be last version to offer old CALYPSO protocols

CALYPSO 2017 - Highlights



Design and measurement plan programming – 2D-drawing and PMI





CALYPSO 2017

PMI-compatible with common native CAD systems

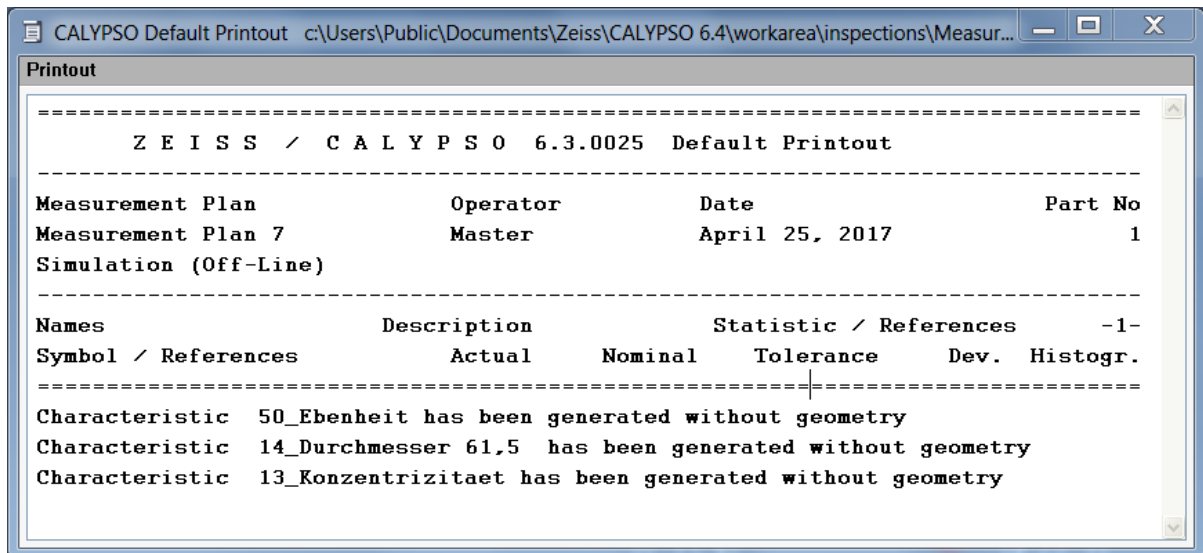


- **Support current CAD versions**

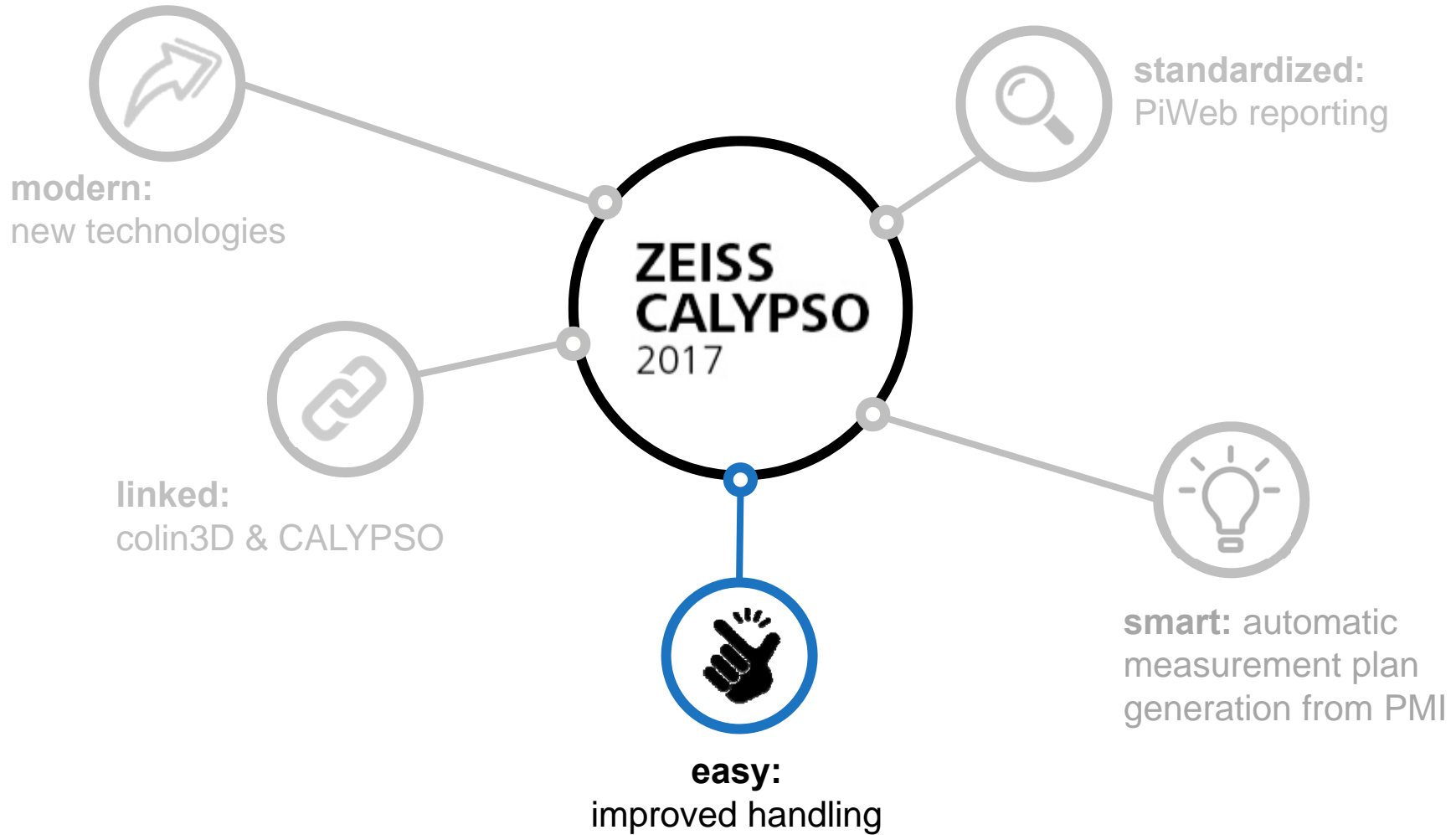
- **CREO** (ProE) 3.0 (NEW for 2017)
- **Siemens NX** 11.0
- **SOLIDWORKS** Premium 2017 x64-Edition
- **CATIA R5** Version 2017 – 27

- **Eliminating multiple generation of feature for**

- **Documentation of incomplete/incorrect PMI**

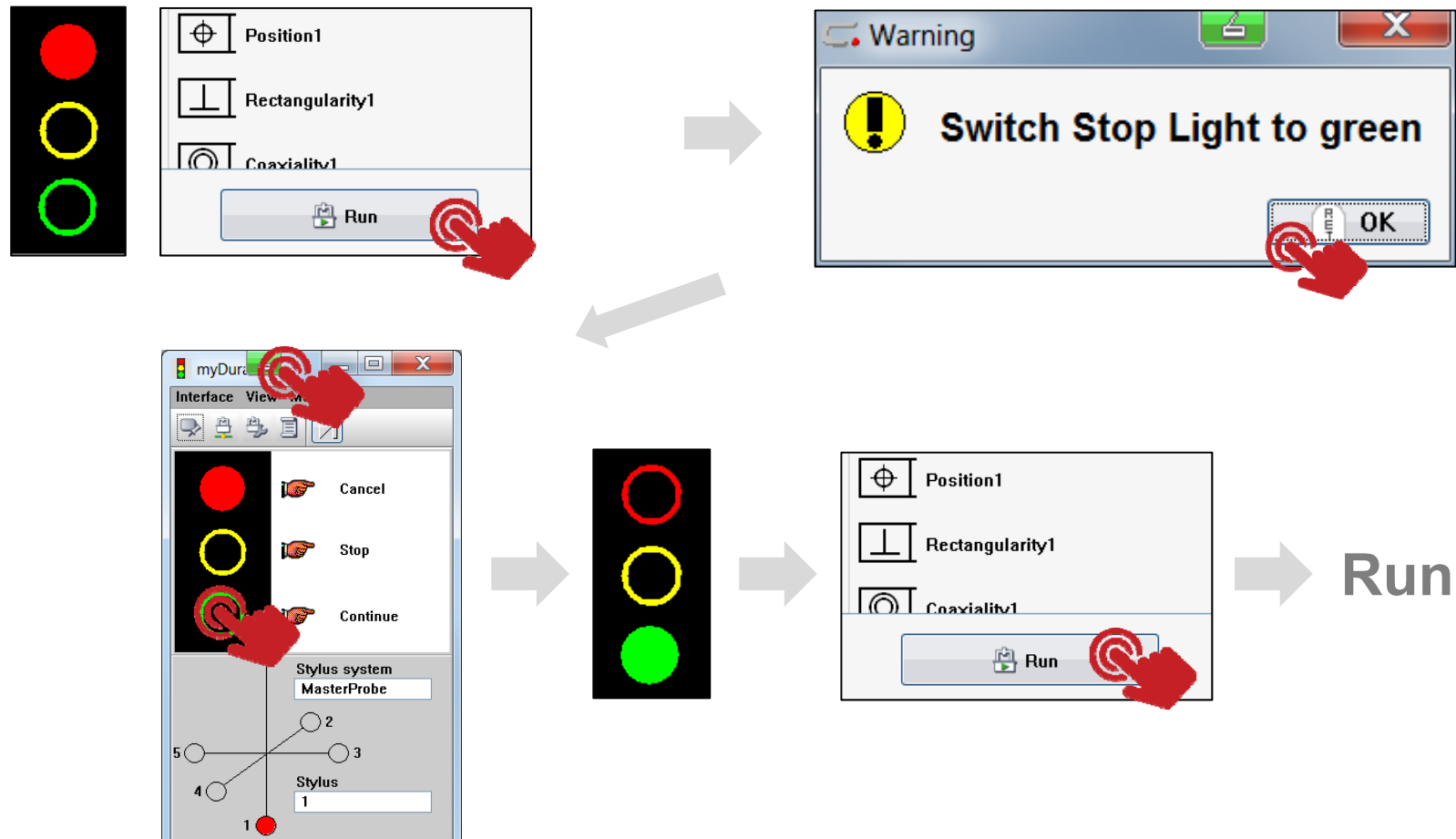


CALYPSO 2017 - Highlights



CALYPSO 2016

PAST: Changing the Stop light before the CNC run

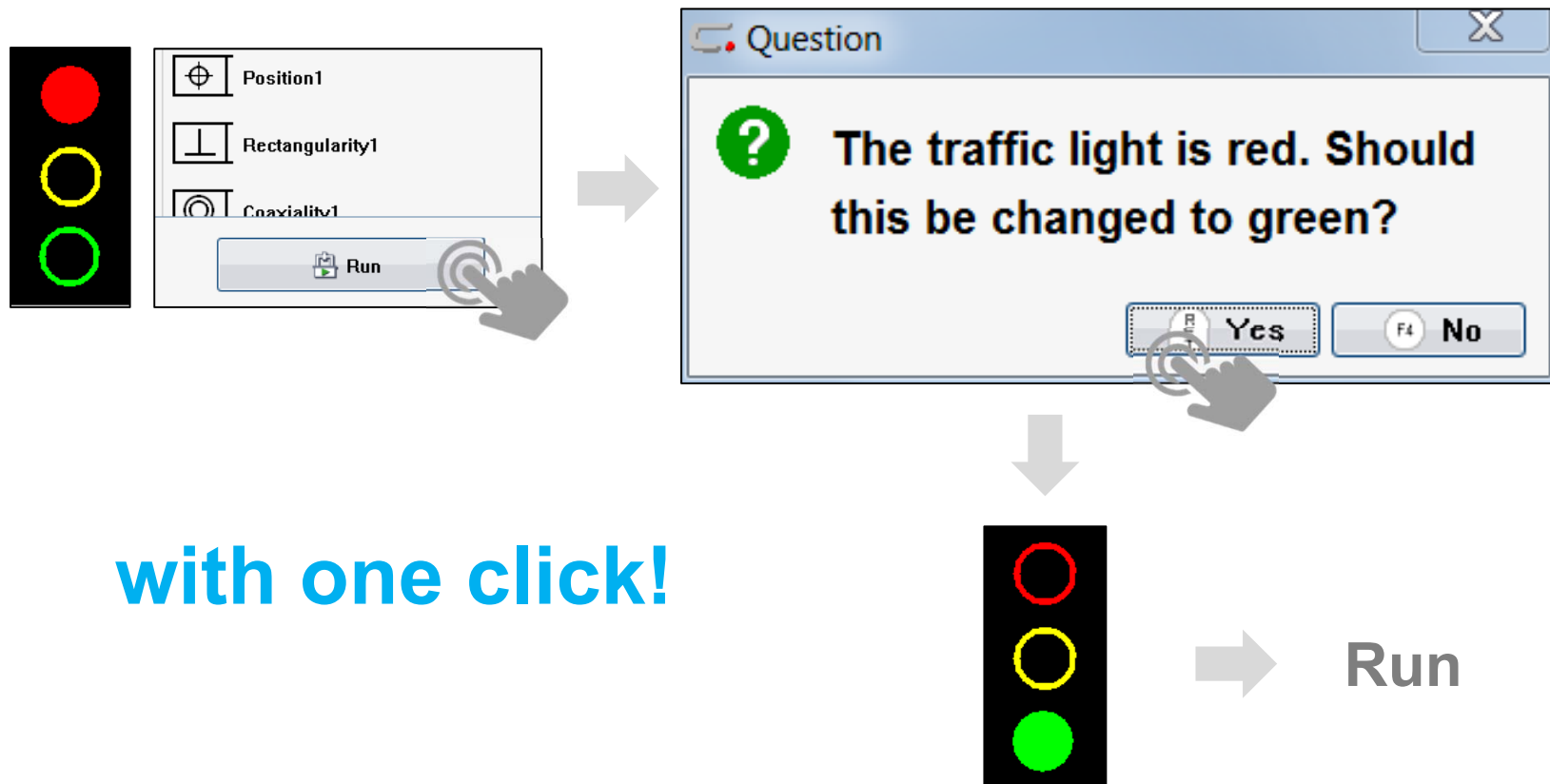


many clicks! exchange of the windows!



CALYPSO 2017

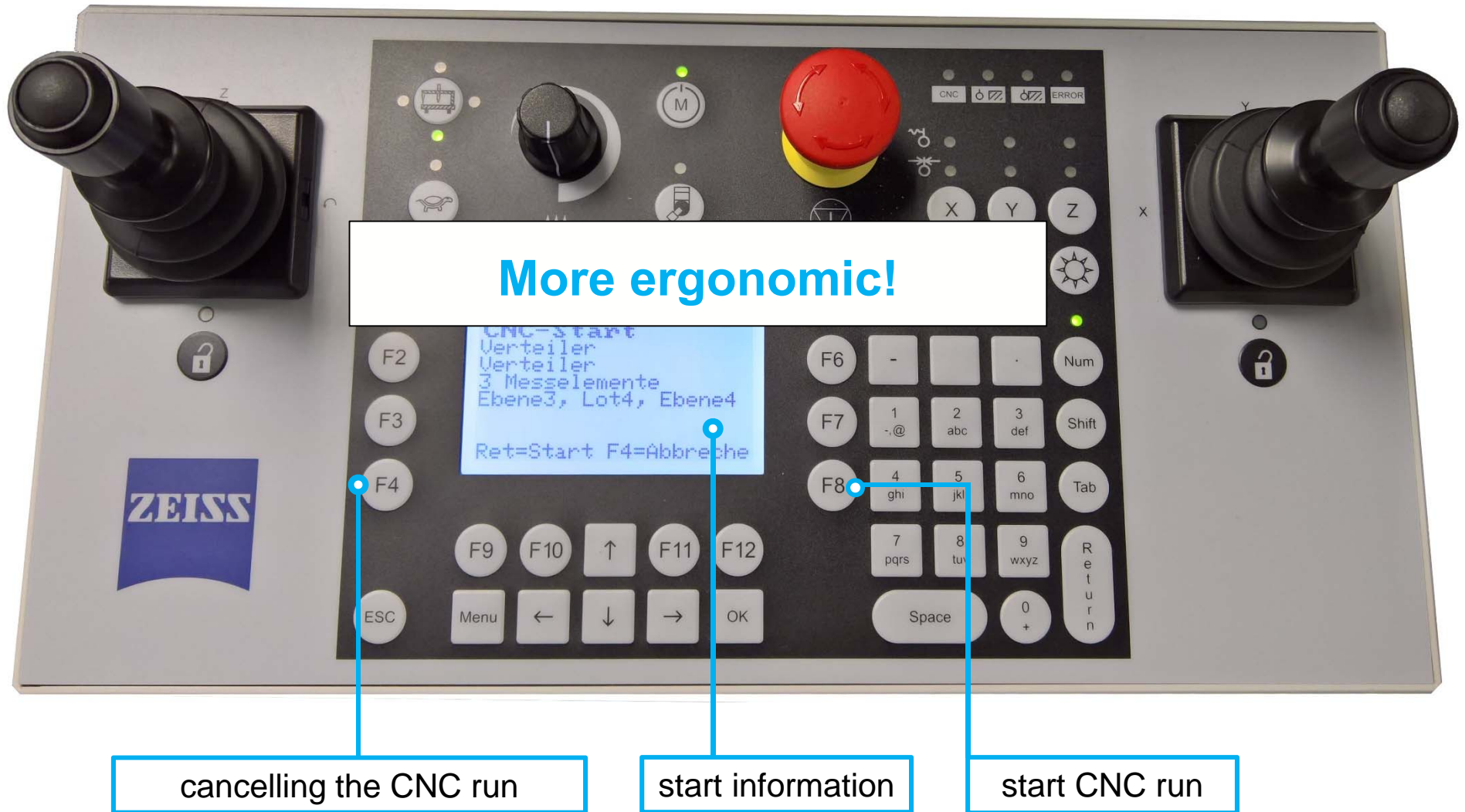
Changing the Stop light before the CNC run





CALYPSO 2017

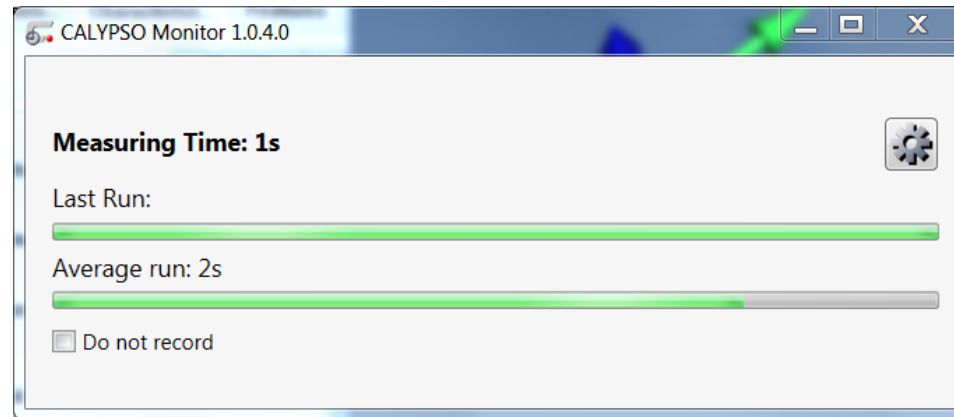
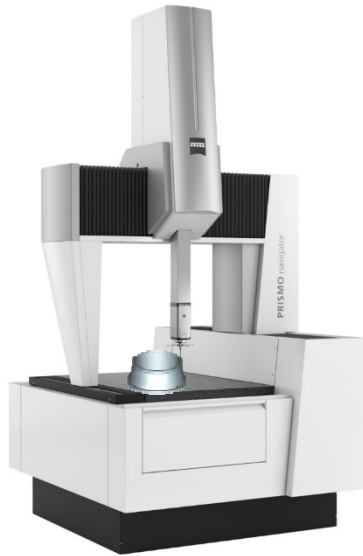
Starting the measurement plan from the control panel





CALYPSO 2017

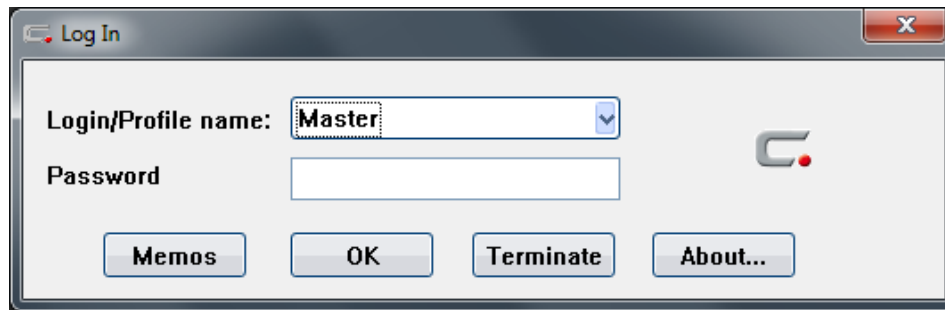
Tracing the measurement – CALYPSO Monitor



✓ **Improve machine utilization!**

CALYPSO 2016

PAST: Switching CALYPSO users took a lot of effort



Many clicks to change user

- Extras – Settings – User...
- Pick user – Switch to – yes - <enter password> - OK – OK - OK

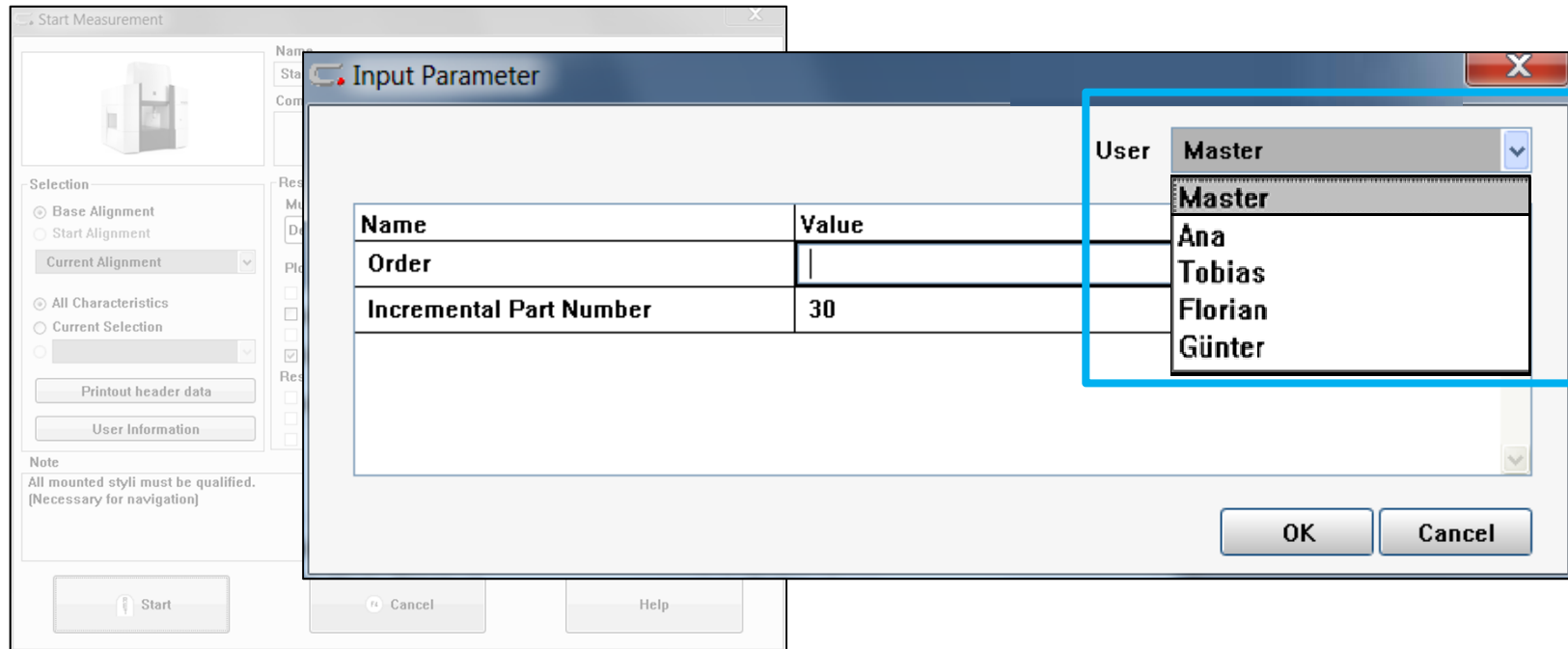
→ **“Users” typically not implemented at customers**

→ **“Users” not utilized in tools like PiWeb or CMMobserver**



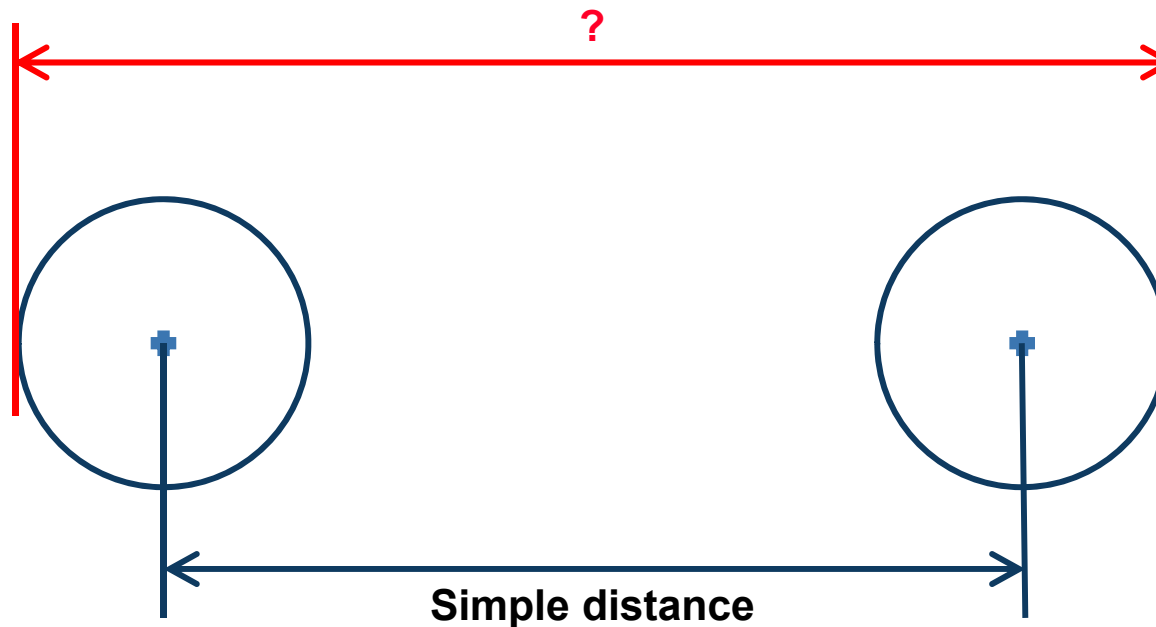
CALYPSO 2017

Switching users from CNC start window



Fast & easy!

Automatically recorded in PiWeb and CMMobserver!



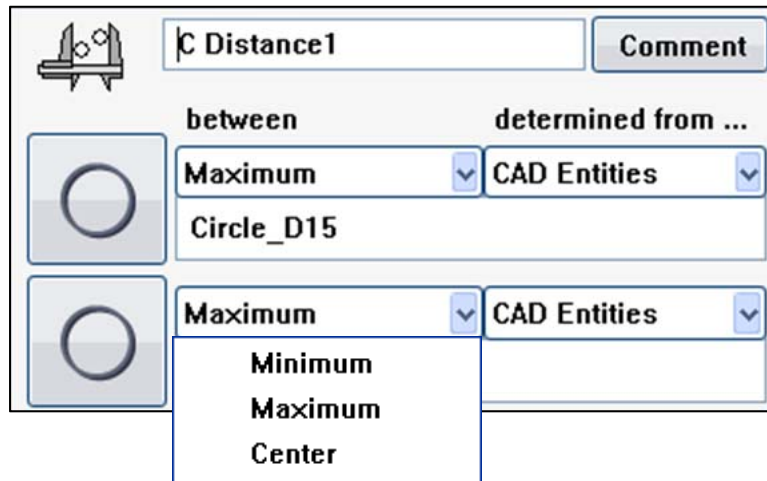
✓ **“Simple distance”**: calculates the distance of the center points

✗ further calculations can only be made through formulas

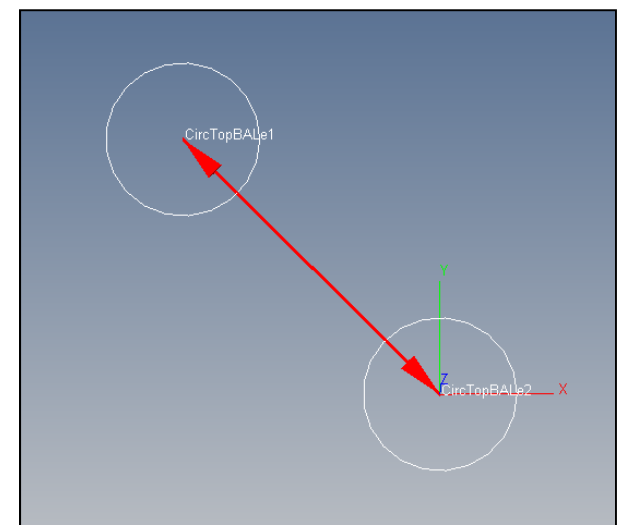
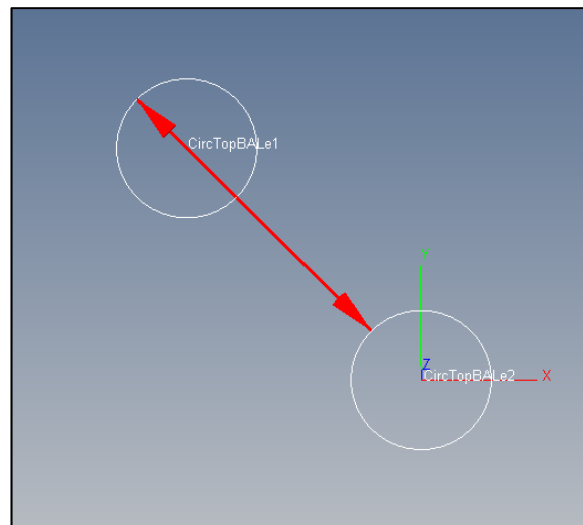
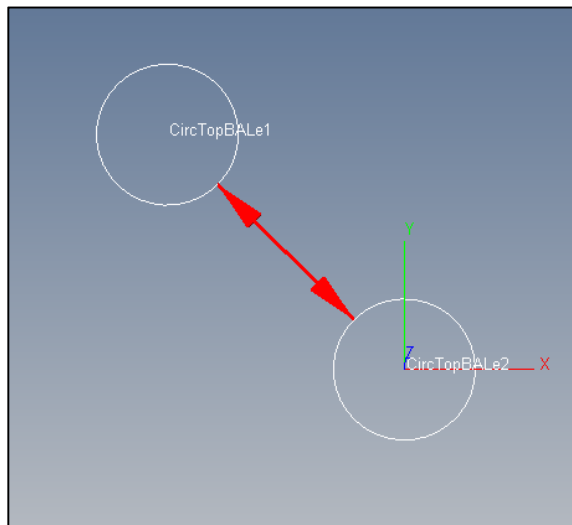


CALYPSO 2017

New characteristics: Caliper Distance & Polar Caliper Distance



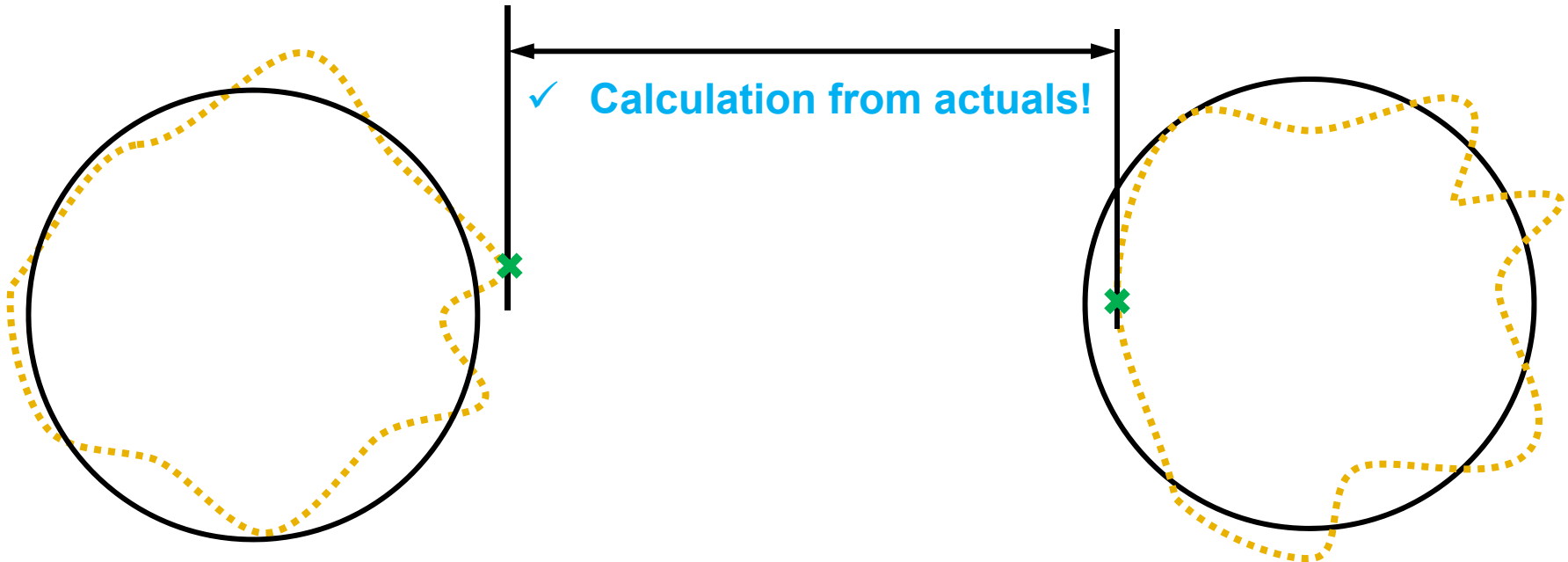
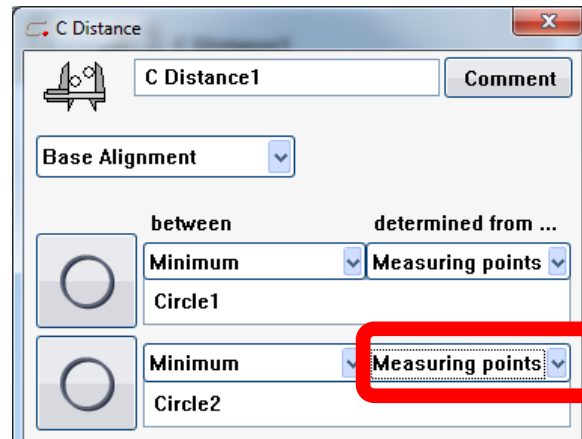
✓ graphical support!



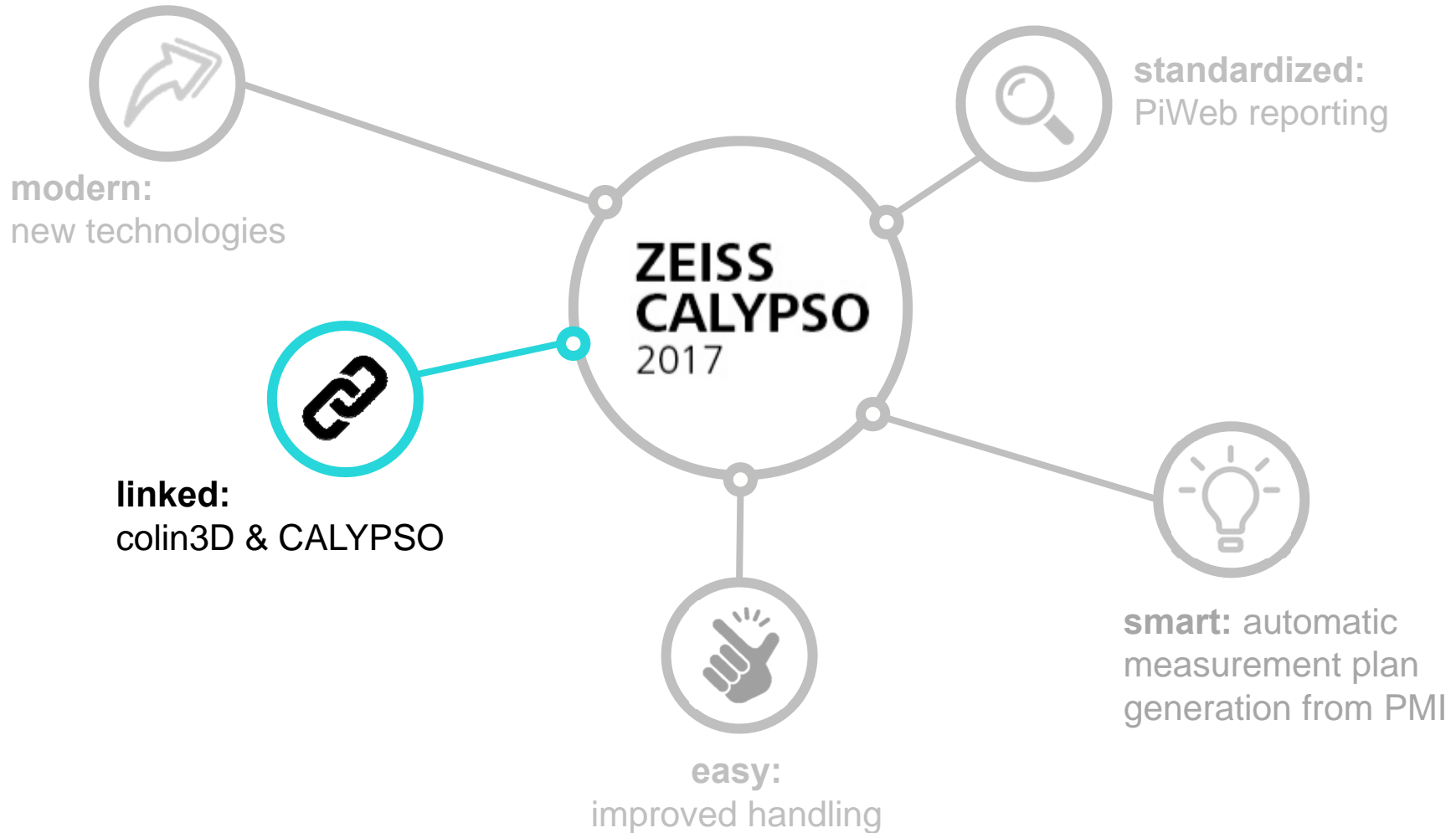


CALYPSO 2017

New characteristics: Caliper Distance & Polar Caliper Distance



CALYPSO 2017 - Highlights



STL

data acquisition

colin3D

analysis

Z	Ball	Abw
10,9610	10,0000	0,9610
69,7229	70,0000	-0,2771
120,2177	120,0000	0,2177

Z	Ball	Abw
10,0376	10,0000	
69,7087	70,0000	
114,1791	113,7412	
13,9451	30,0000	

Z	Ball	Abw
-23,8838	-23,0000	
-128,9156	-128,0000	
120,8146	120,0000	

CALYPSO

Automatic import (& Best Fit)

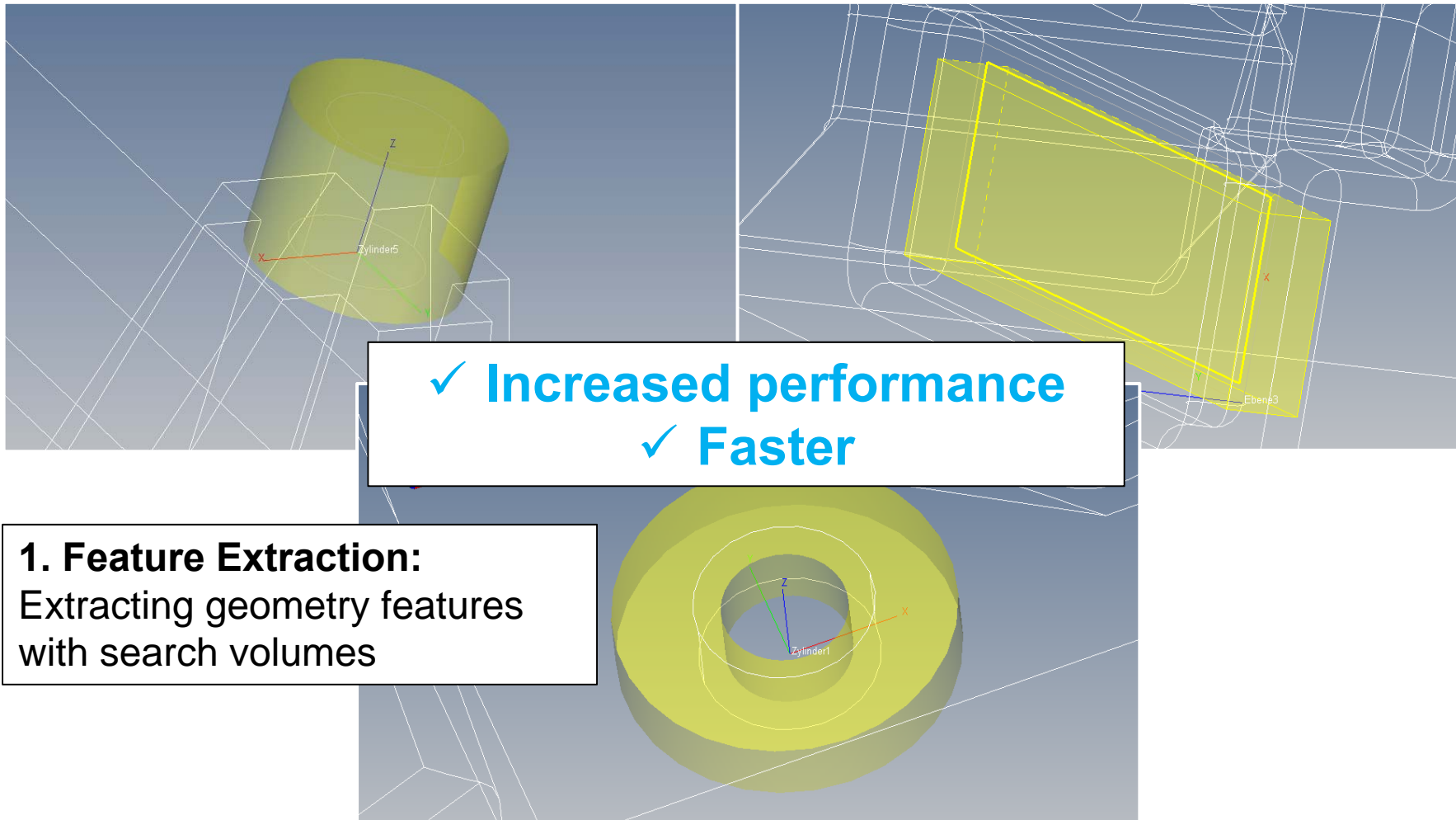
Execution of the CALYPSO Measurement Plan

Results PiWeb printout



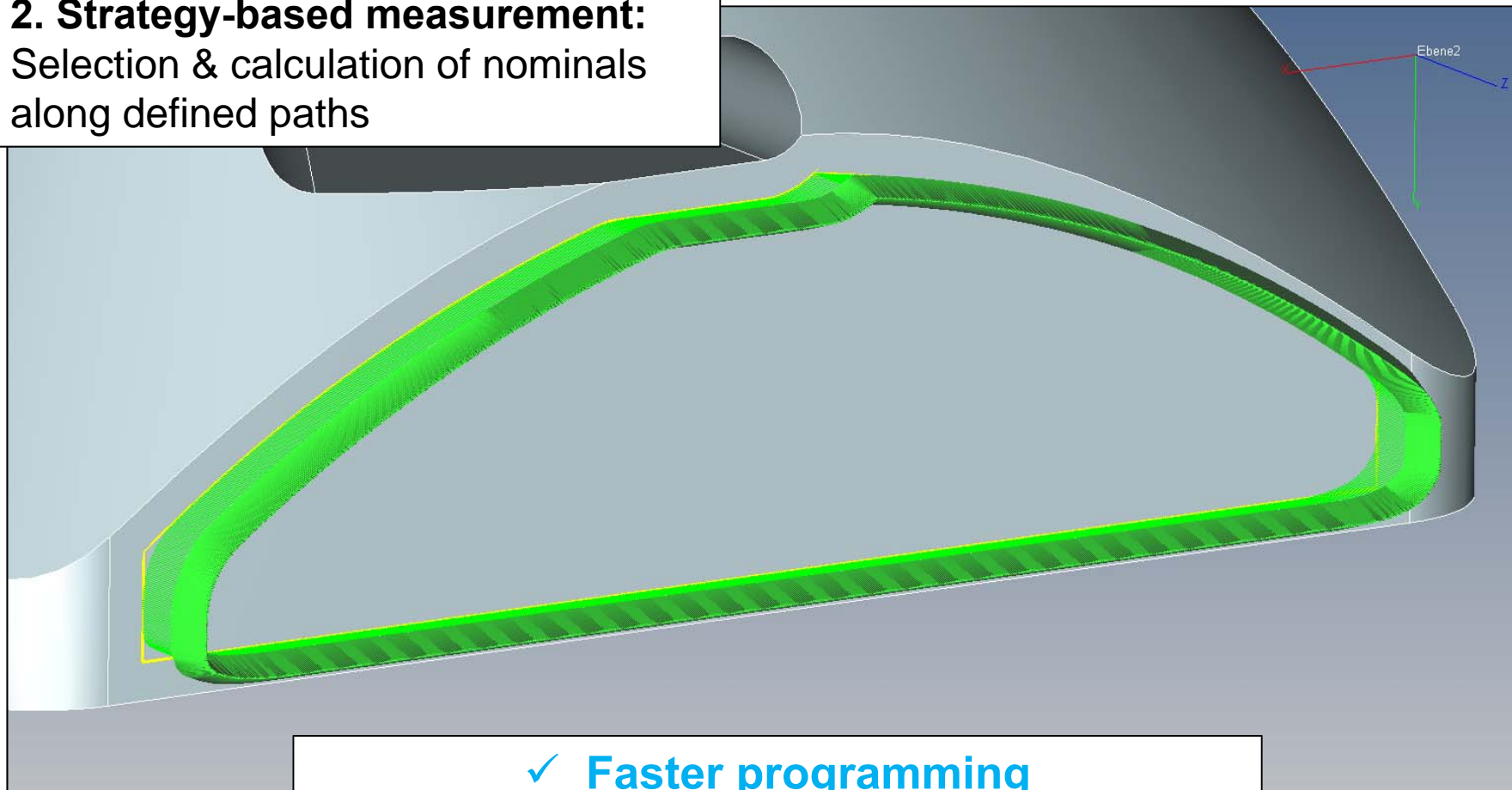
CALYPSO 2017

STL & Point clouds: Improved Feature Extraction





2. Strategy-based measurement:
Selection & calculation of nominals
along defined paths

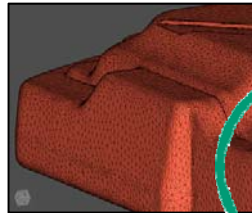


- ✓ **Faster programming**
- ✓ **Flexible:** also tactile measurable

STL-Analysis with the CALYPSO basic options



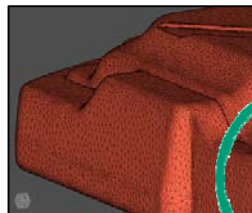
CALYPSO
MAN



- Manual data acquisition
- Automated Evaluation of STL data



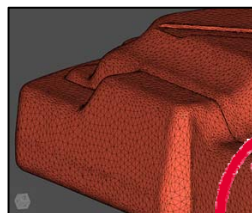
CALYPSO
CNC



- Manual & automated data acquisition (CNC)
- Automated Evaluation of STL data

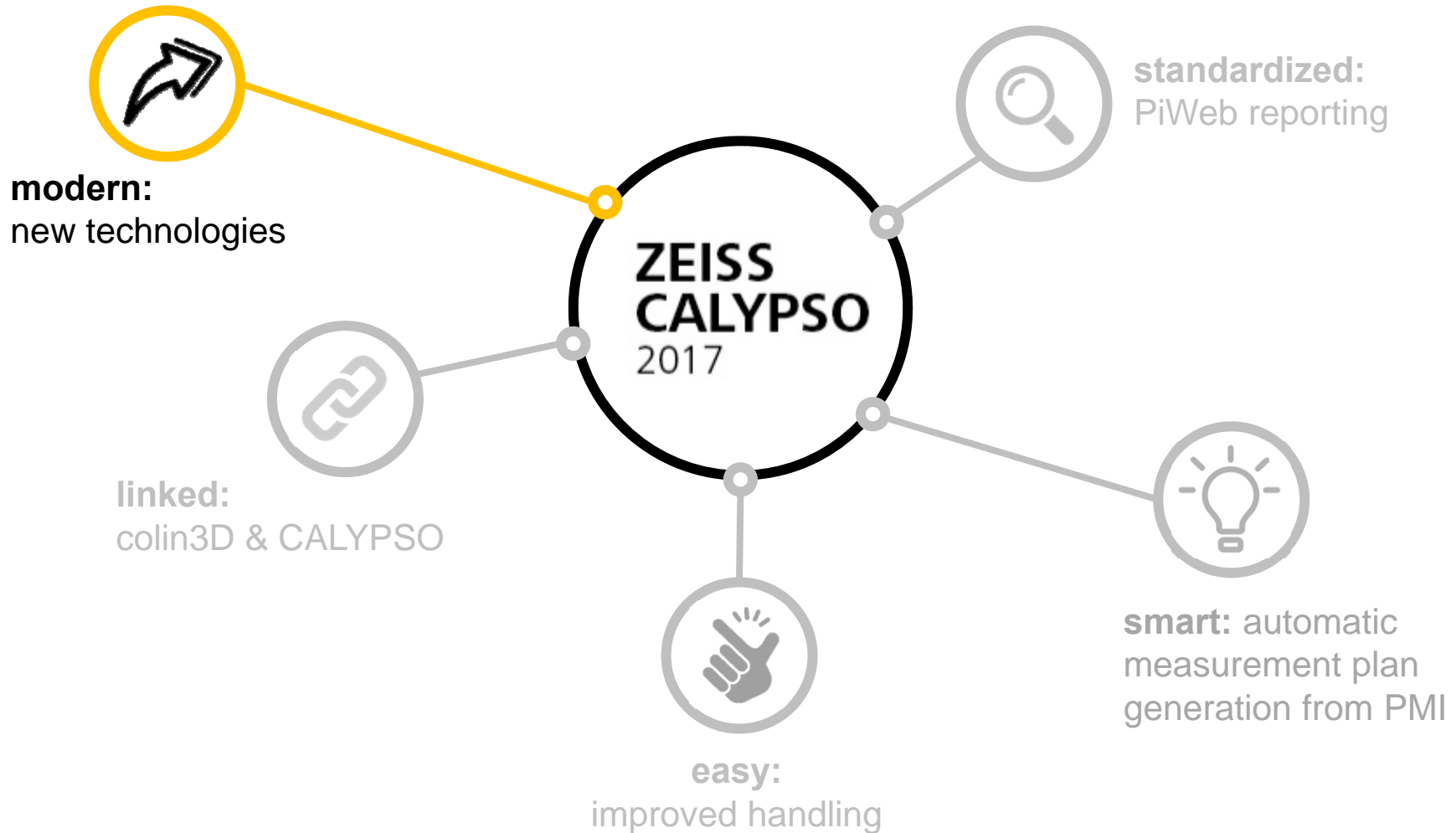


CALYPSO
Planner



- Programming of measurement plans
- Planning of measurements

CALYPSO 2017 - Highlights



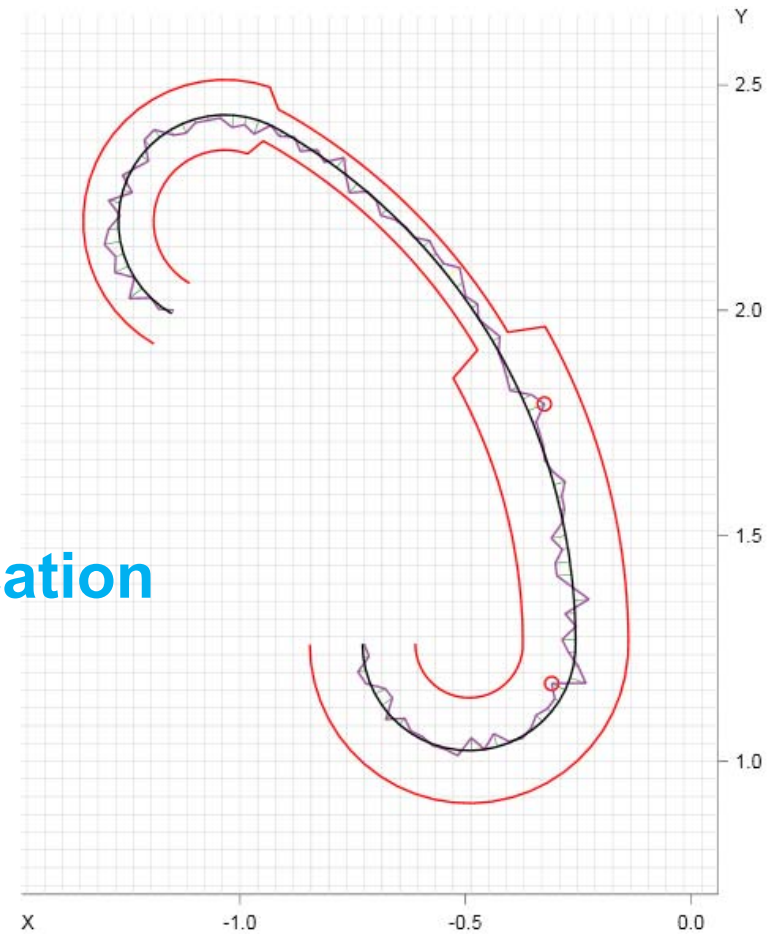


CALYPSO 2017

New tools to report tolerance segments for CURVE



Name	Value	Nominal Value	Upper Allowance	Lower Allowance	Deviation	+/-
Curve Form1	-0.10078	0.00000	0.30000	-0.30000	-0.10078	
Curve Form1.standard	0.18617					
Curve Form1^back	-0.10078	0.00000	0.30000	-0.30000	-0.10078	
Curve Form1^front	-0.09190	0.00000	0.20000	-0.20000	-0.09190	
Curve Form1^middle	-0.08116	0.00000	0.10000	-0.10000	-0.08116	



✓ **Clear report of segment identification**



CALYPSO 2017

New CAD system option to import Solid Edge Models



SIEMENS



Solid Edge
Design better.

The optional interface supports the following data formats:

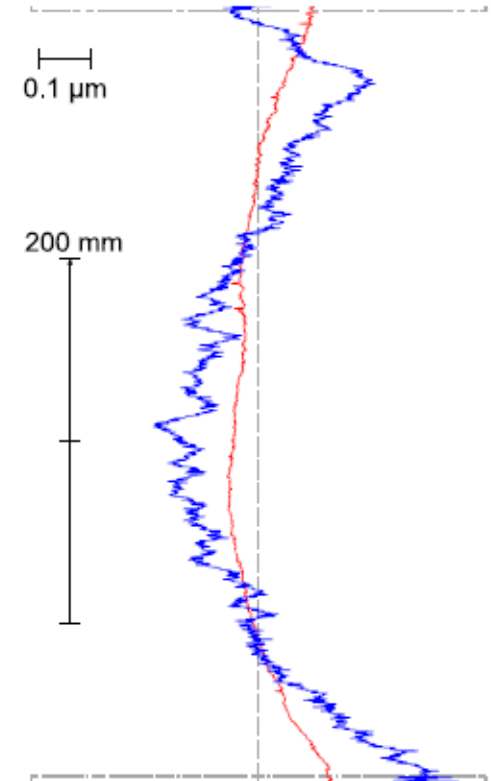
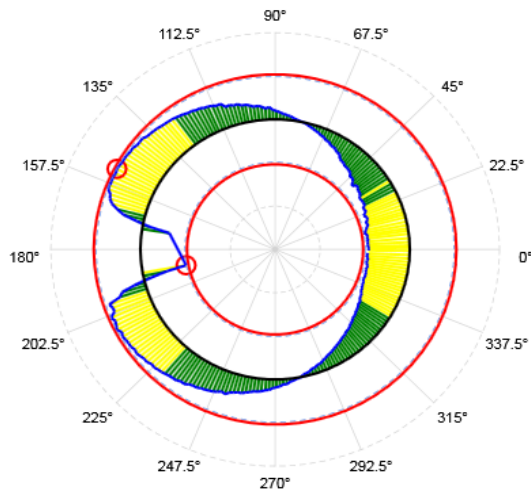
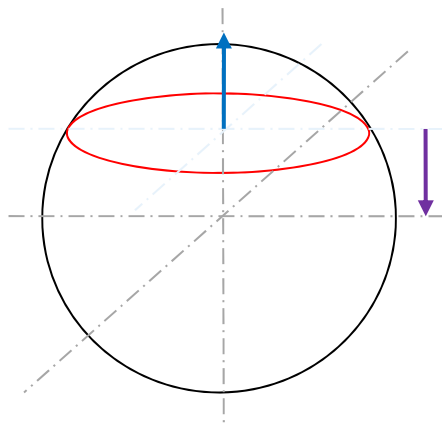
- Part: .par
- Assembly: .asm
- Sheet Metal: .psm

✓ **CALYPSO Users no longer need to translate Solid Edge models**



CALYPSO 2017

New calculation methods for Form Measurements



- ✓ Enables highly accurate evaluations
- ✓ New form plots & features
- ✓ When used with PRISMO Ultra – may replace the need for dedicated Form Instrument

CALYPSO 2017 - Highlights

